



Justice40

United States
Department of Transportation



Background on Justice40

WHAT is Justice40?

President Biden's Jan 2021 **EO14008: Tackling Climate Change at Home and Abroad** created the government-wide Justice40 Initiative, establishing the goal that at least **40% of the benefits of certain federal investments flow to disadvantaged communities.**

WHY Justice40?

Justice40 aims to **address decades of systemic inequitable historical policies and underinvestment in disadvantaged communities.** The initiative aims to bring resources to communities most impacted by climate change, pollution, and environmental hazards.

What Justice40 means for the US Department of Transportation (USDOT)

The Bipartisan Infrastructure Law and the Inflation Reduction Act represent once-in-a-generation investment in infrastructure, climate resilience, and innovation. Justice40 allows USDOT to identify opportunities and prioritize projects that benefit rural, suburban, tribal, and urban communities facing barriers to affordable, equitable, reliable, and safe transportation. DOT will also assess the negative impacts of transportation projects and systems on disadvantaged communities and will consider if local community leaders have been consulted in a meaningful way during the project's development.



**Prioritize
Investments**



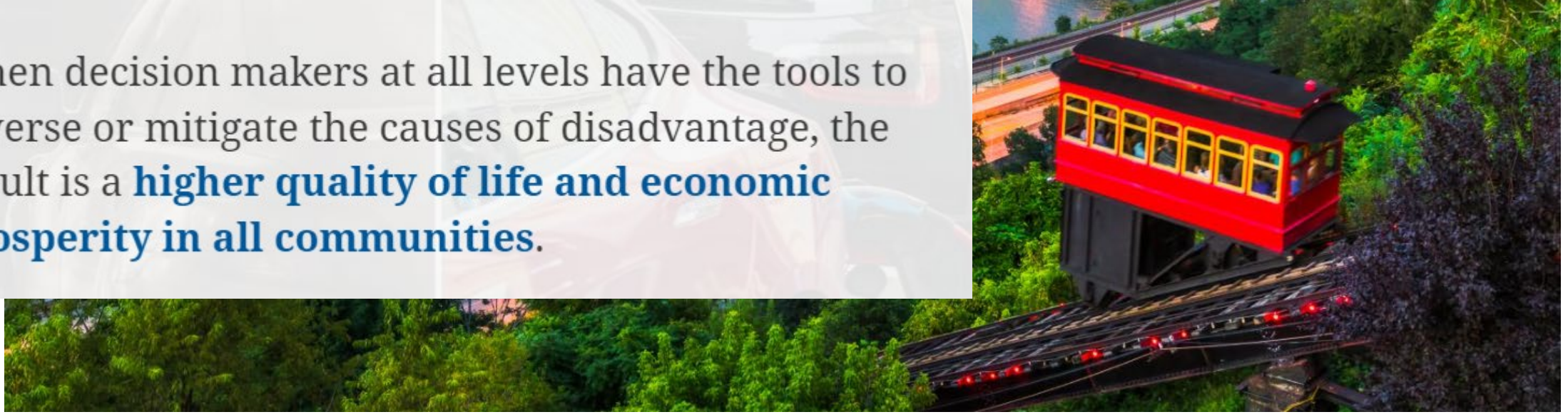
**Measure Impact and
Improve Effectiveness**



**Strengthen
Communities**



When decision makers at all levels have the tools to reverse or mitigate the causes of disadvantage, the result is a **higher quality of life and economic prosperity in all communities.**



USDOT Equitable Transportation Community (ETC) Explorer

ETC Explorer - Homepage

ETC Explorer - National Results

ETC Explorer - State Results

ETC Explorer - Add Your Data (National and State Results)

Transportation Insecurity Analysis Tool

Understanding the Data

For Instructions:

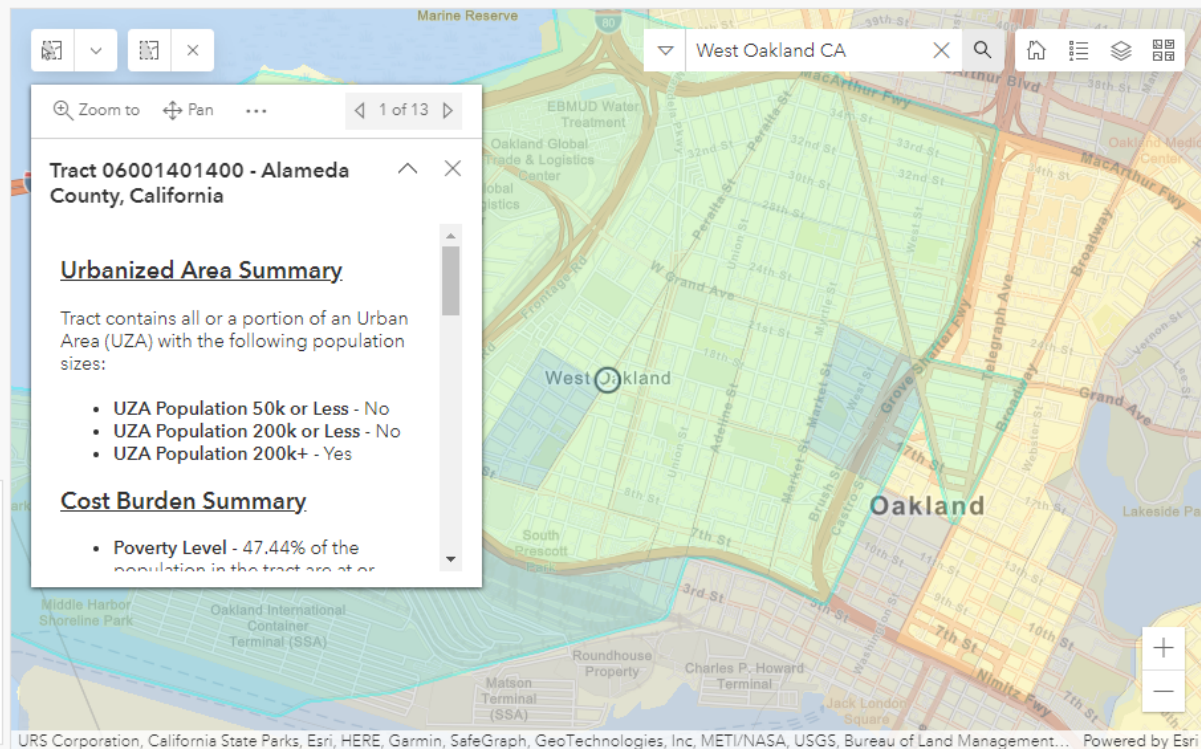
Click the arrow on the left of the page for instructions on how to find your location, select your area of interest, view metrics, and reset your selection.

State Selector
All States

County Selector
Select State First

Community Selector
Select State First

MPO Selector
All MPOs



Total Population Living in the Selected Project Area

30.7k

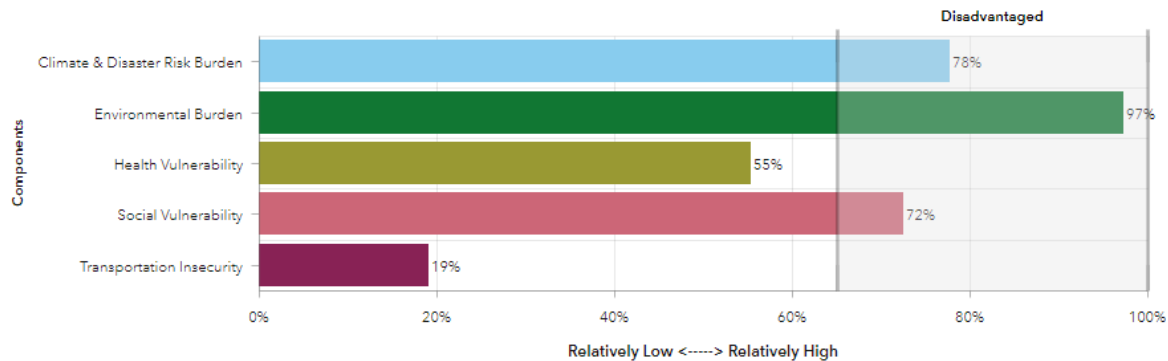
Total Population Living in Disadvantaged Census Tracts in the Selected Project Area

27k

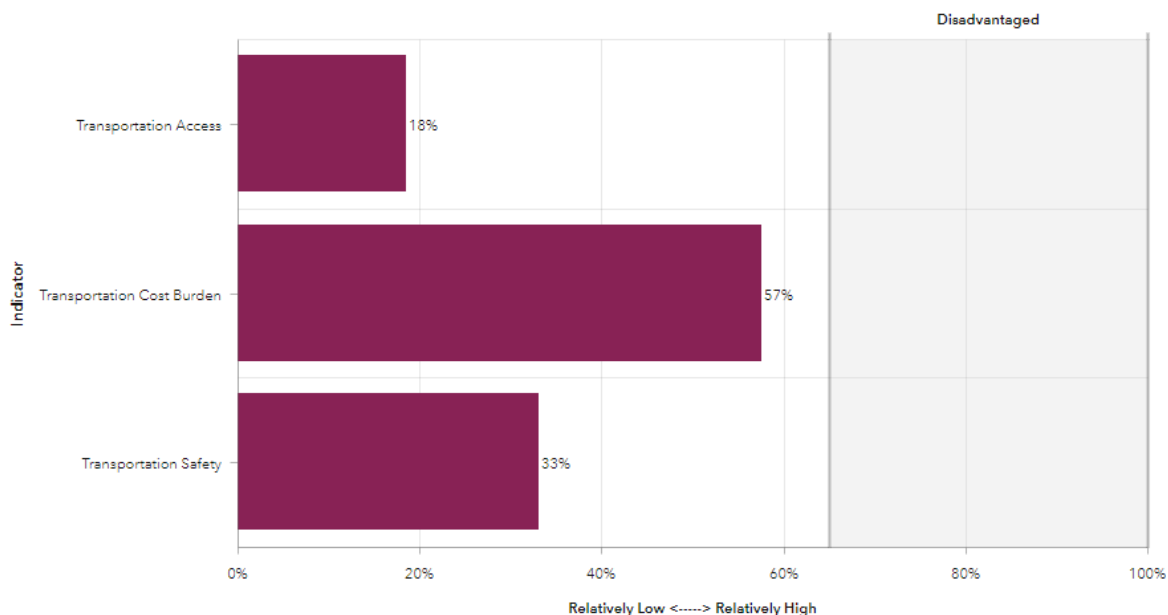
% of Disadvantaged Census Tracts in the Selected Project Area

77%

Overall Disadvantage Component Scores - Percentile Ranked



Transportation Insecurity - Percentile Rank



Climate & Disaster

Environmental

Health Vulnerability

Social Vulnerability

Transportation Insecurity

- Component Scores are distinct from Indicator Scores. For more information please see - Understanding the Data.

- Index scores for Alaska, Hawaii and the territories are calculated separately due to unavailable data for certain indicators. The Explorer visualizes unavailable indicator data as '0' values.

- If viewing on a laptop and the dashboard does not display properly- right click, select display options, and adjust the zoom to an appropriate resolution.

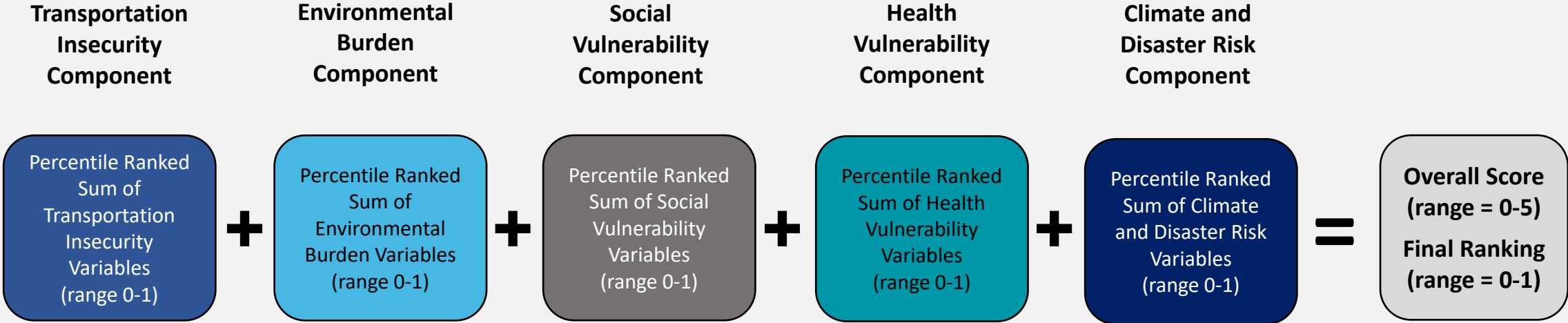
Click on the tab above to change component category. Once selectors are used, click button to reset map ----->

How does the Disadvantaged Community Index work?

The Disadvantaged Community Index is the basis for identification of transportation disadvantaged communities within the ETC. The methodology is based on Centers for Disease Control and Prevention’s Environmental Justice Index (EJI) with the addition of transportation and climate and disaster risk components.

How does the Disadvantaged Community Index Work?

Each of the five components contains indicators. Each indicator has a set of variables that are calculated to eventually provide an overall score and a final ranking.



A census tract will be considered disadvantaged if the overall index score places it in the 65th percentile (or higher) of all US census tracts. The 65th percentile cutoff was chosen to be consistent with other tools that measure disadvantage including CEJST.

Search and Selection Features

USDOT Equitable Transportation Community (ETC) Explorer

ETC Explorer - Homepag

ETC Explorer - Homepage

ETC Explorer - National Results

ETC Explorer - State Results

ETC Explorer - Add Your Data (National and State Results)

Transportation Insecurity Analysis Tool

Understanding the Data

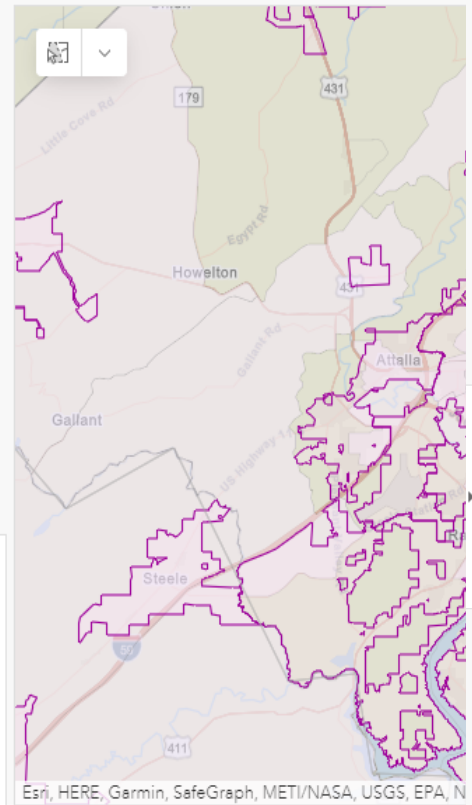
For Instructions:

Click the arrow on the left of the page for instructions

For Instructions:

Click the arrow on the left of the page for instructions on how to find your location, select your area of interest, view metrics, and reset your selection.

State Selector
Alabama
County Selector
Select State First
Community Selector
All Communities
MPO Selector
All MPOs



Zoom to Pan ... 1 of 14

Tract 01055000200 - Etowah County, Alabama

Urbanized Area Summary

Tract contains all or a portion of an Urban Area (UZA) with the following population sizes:

- UZA Population 50k or Less - Yes
- UZA Population 200k or Less - Yes
- UZA Population 200k+ - No

Cost Burden Summary

Relative Level: 50.00% (4.4k)

Layers

- County Boundaries
- State Boundaries
- Community Boundaries (Census Places)
- Census 2020 UZAs
- FARS Data (2017-2021)
- MPO Areas
- National Transit Map Routes
- National Transit Map Stops
- Alternative Fueling Stations

Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA | DOT | DOT, Census Powered by Esri

Total Population Living in the Selected Project Area

33.1k

Total Population Living in Disadvantaged Census Tracts in the Selected Project Area

26.4k

% of Disadvantaged Census Tracts in the Selected Project Area

86%

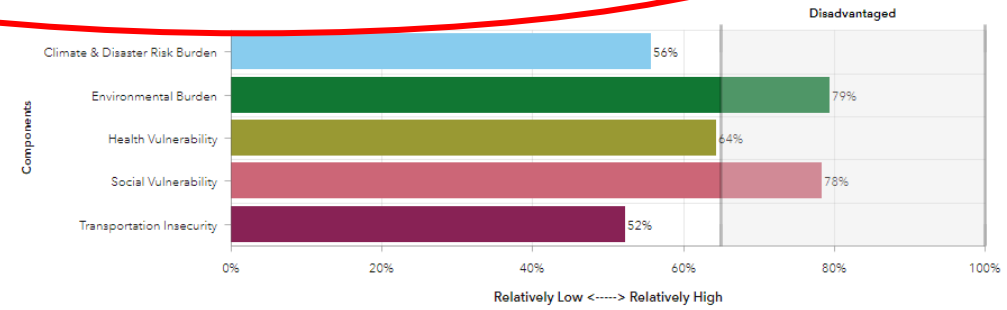
Total Population Living in

Total Pop

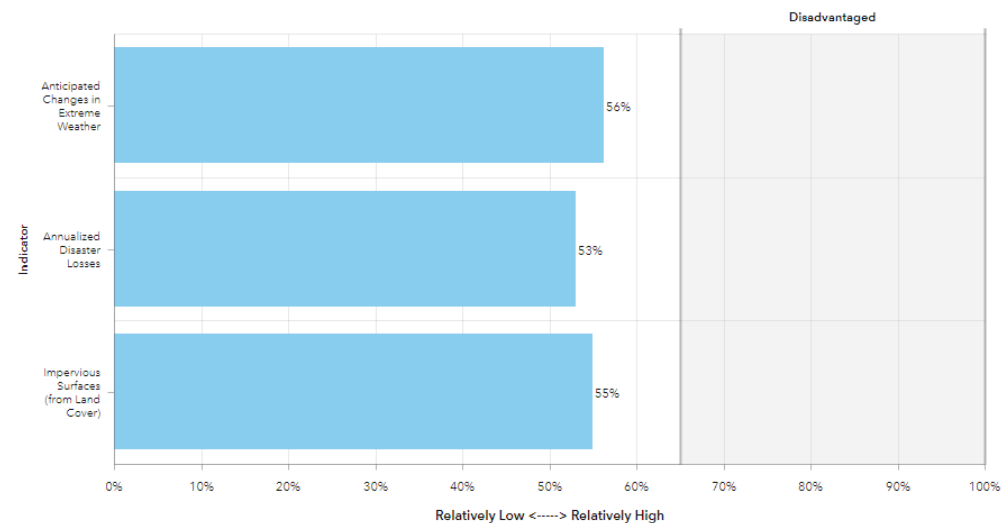
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- If viewing on a laptop and the dashk resolution (usually 100%).

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Overall Disadvantage Component Scores - Percentile Ranked



Climate & Disaster Risk Burden - Percentile Rank

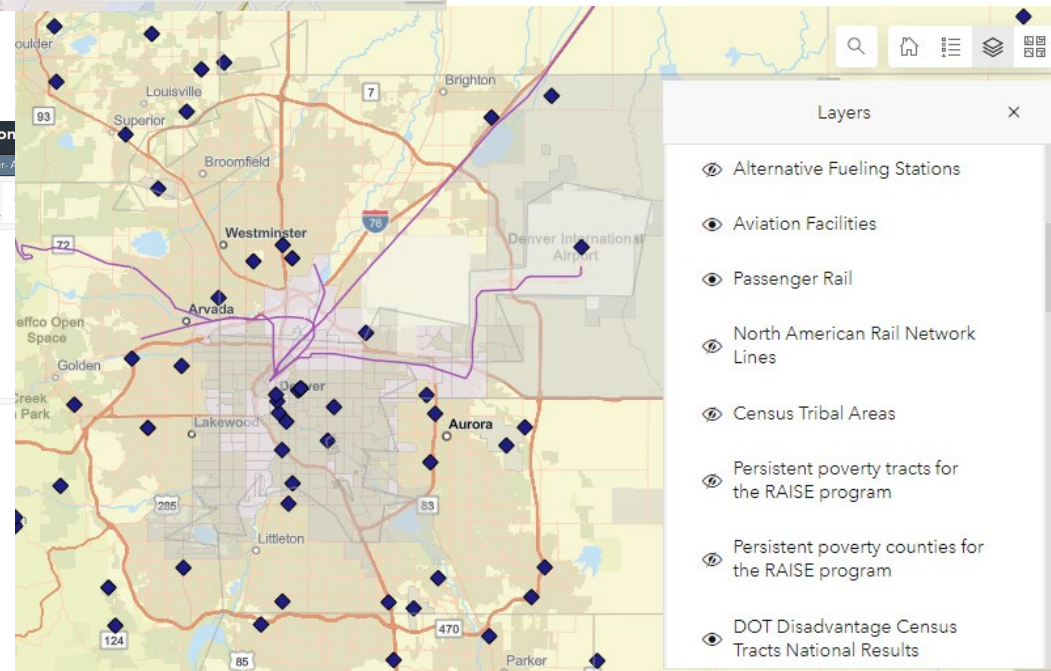
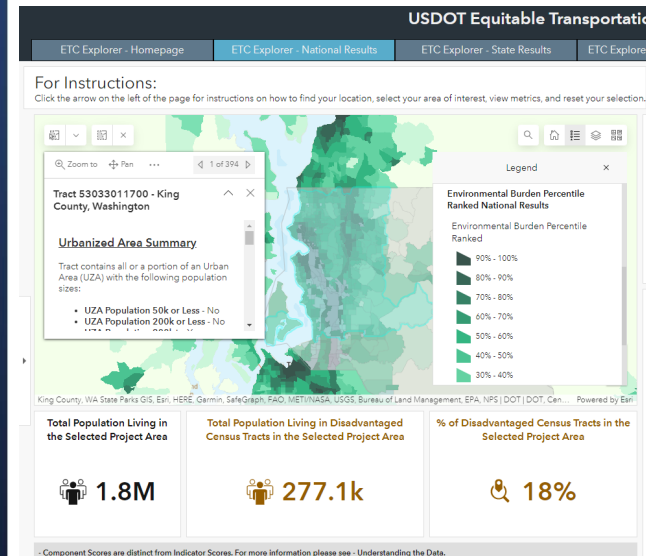
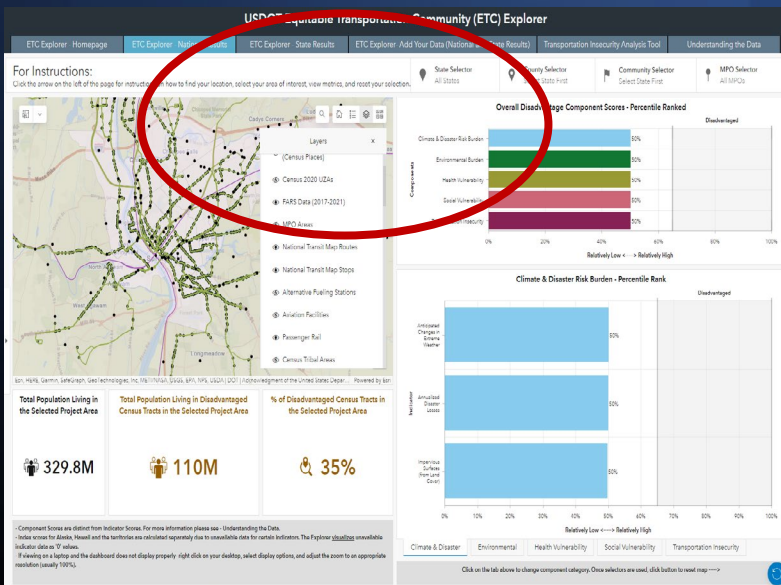
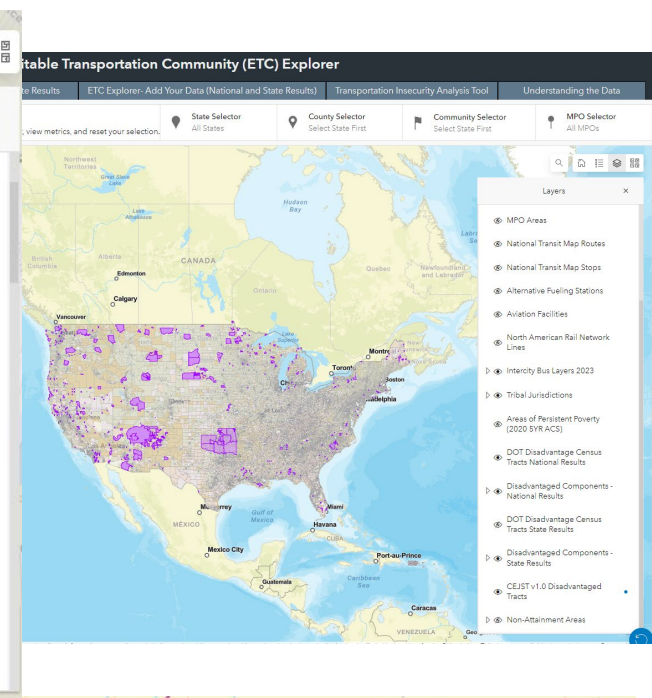
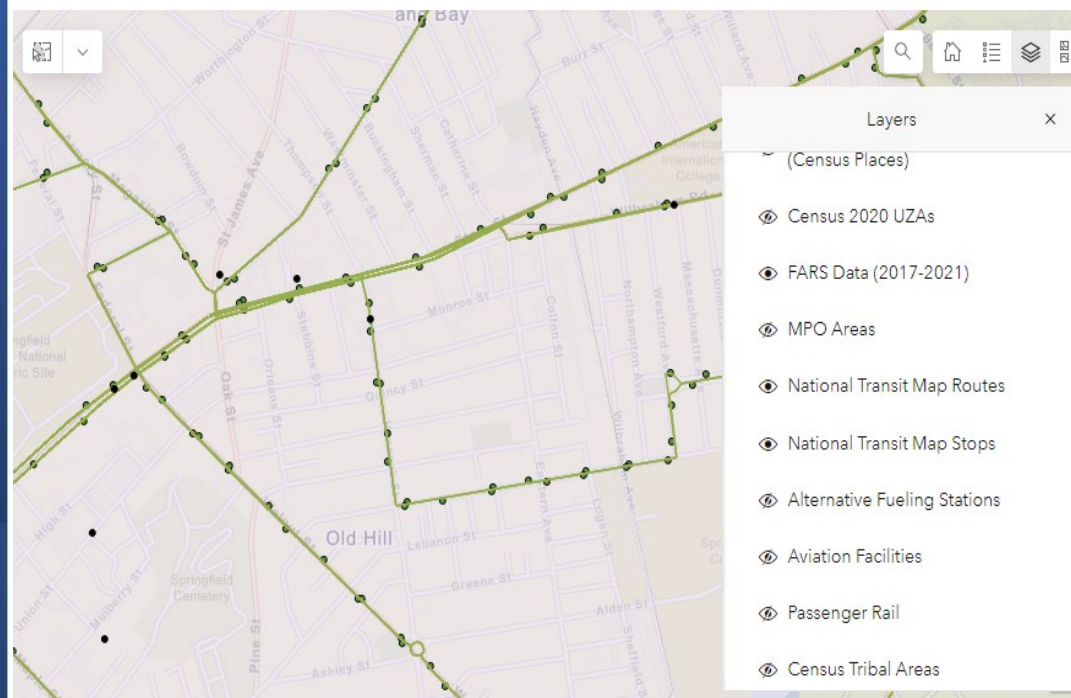


Climate & Disaster Environmental Health Vulnerability Social Vulnerability Transportation Insecurity

Click on the tab above to change component category. Once selectors are used, click button to reset map ----->



Data Layers



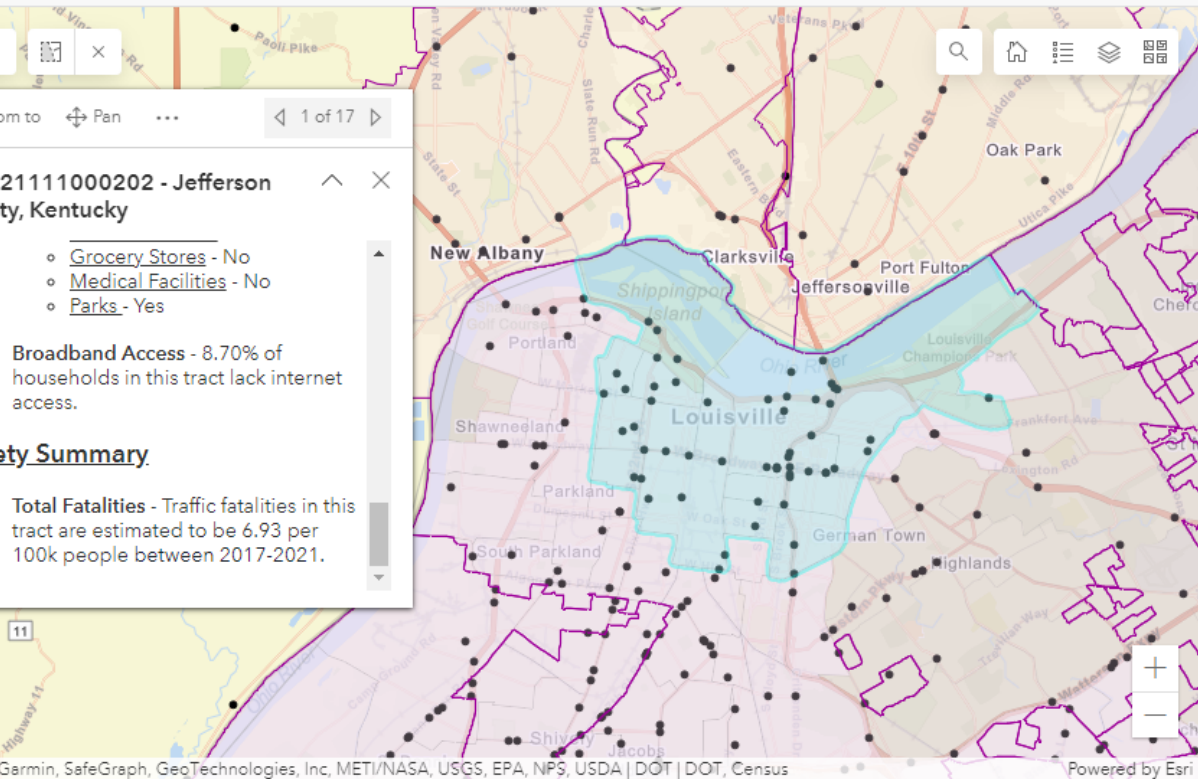
Instructions: Scroll on the left of the page for instructions on how to find your location, select your area of interest, view metrics, and reset your selection.

State Selector
Kentucky

County Selector
Select State First

Community Selector
All Communities

MPO Selector
All MPOs



Population Living in Selected Project Area

40.9k

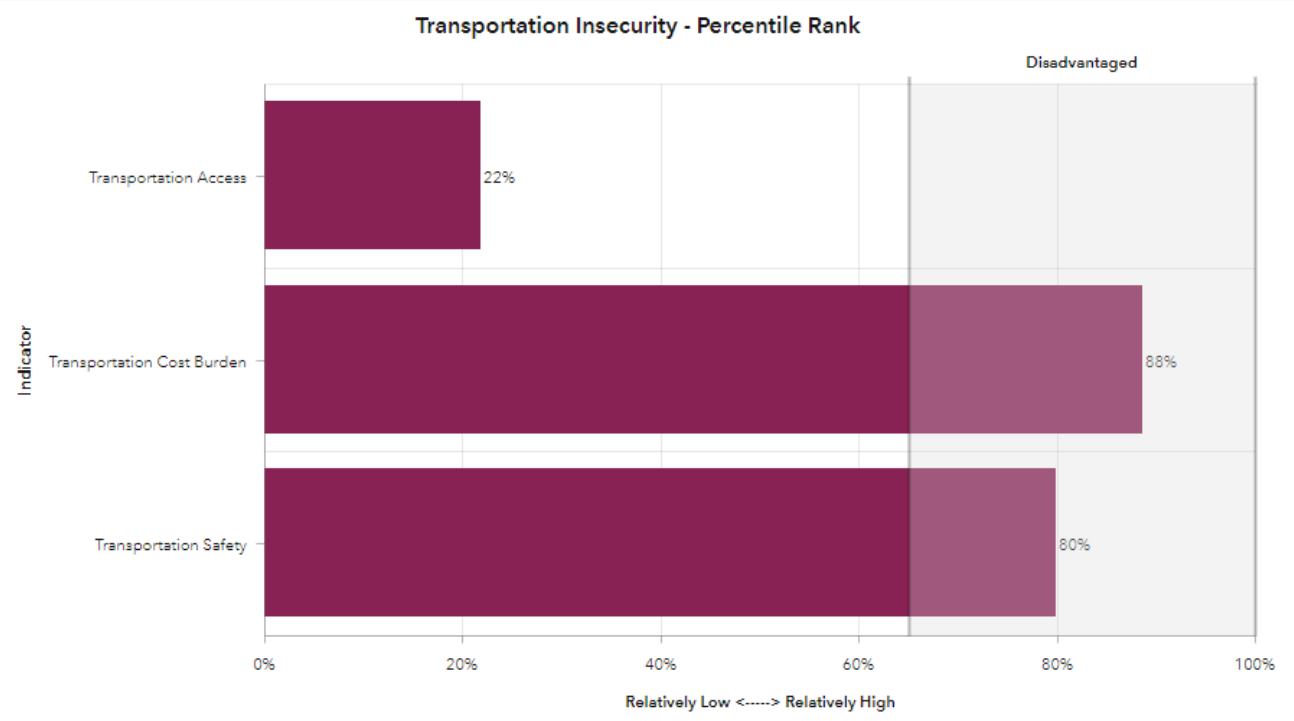
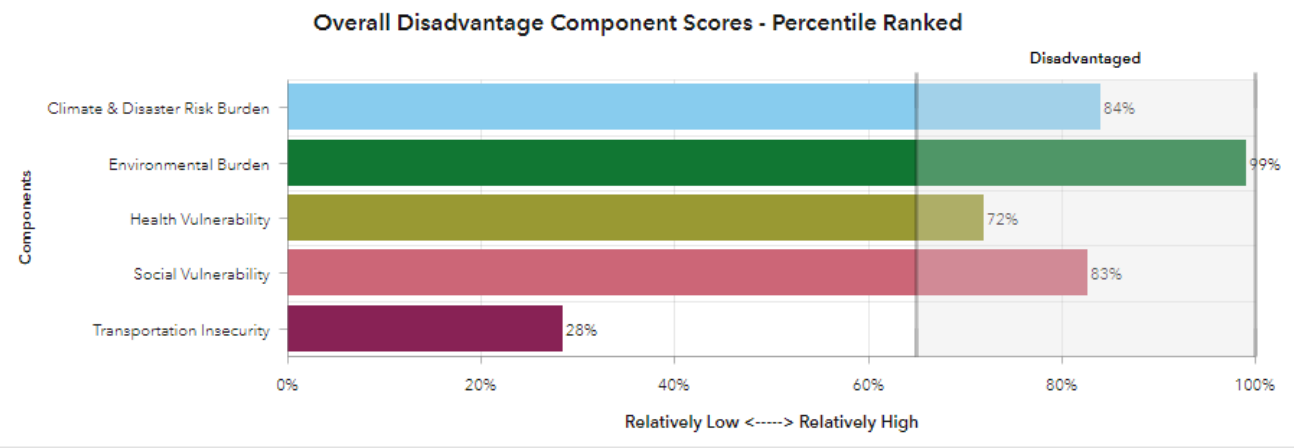
Total Population Living in Disadvantaged Census Tracts in the Selected Project Area

37.7k

% of Disadvantaged Census Tracts in the Selected Project Area

88%

Component Scores are distinct from Indicator Scores. For more information please see - Understanding the Data. Scores for Alaska, Hawaii and the territories are calculated separately due to unavailable data for certain indicators. The Explorer visualizes unavailable data as '0' values. This dashboard is optimized for use on a laptop and the dashboard does not display properly- right click on your desktop, select display options, and adjust the zoom to an appropriate



SS4A Transportation Insecurity Analysis Tool

ETC Explorer - Homepage ETC Explorer - National Results ETC Explorer - State Results ETC Explorer- Add Your Data (National and State Results) **Transportation Insecurity Analysis Tool** Understanding the Data

State Filter and Zoom

Select and Zoom to State

Select state below and enable the toggle to filter and zoom to a specific state

Kentucky

Urban Area, Cost Burden, Access Burden, and Safety Filters

Urbanized Area Filters

Cost Burden Filters

Access Burden Filters

Safety Filters

Layer List

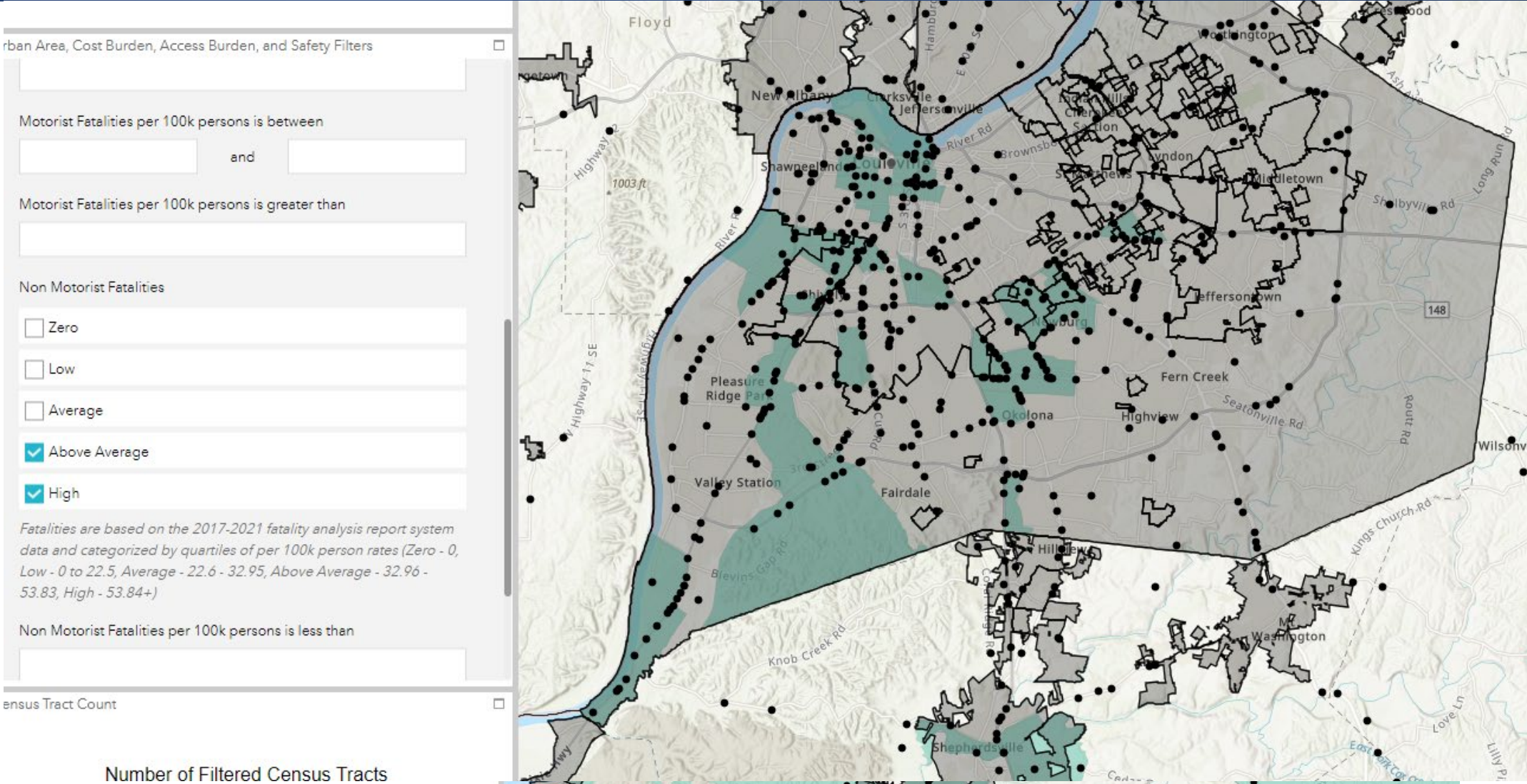
Layers

- Census 2020 UZAs
- Community Boundaries (Census Places)
- MPO Boundaries
- Passenger Rail
- North American Rail Network Lines
- Alternative Fueling Stations
- FARS Data (2017-2021)
- National Transit Map Stops

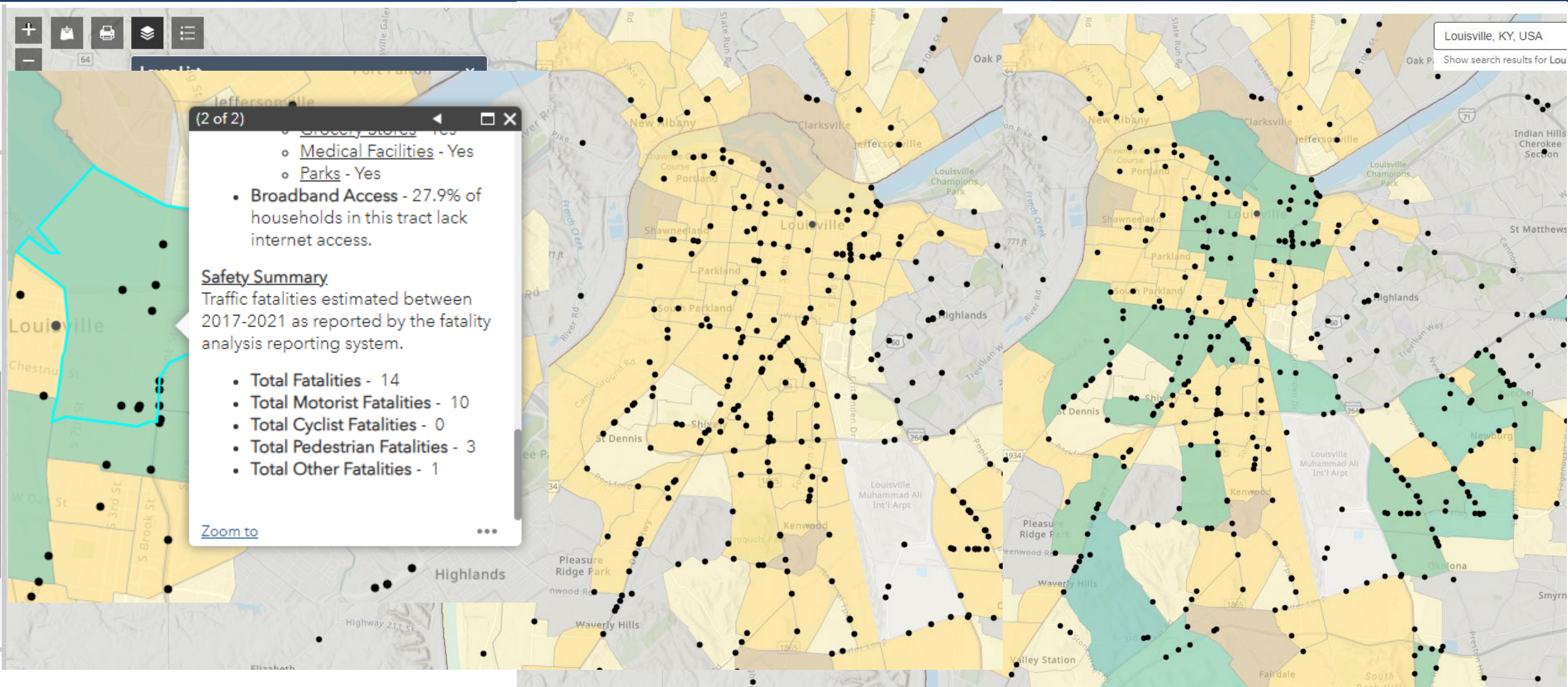
Louisville KY

Show search results for Louisville KY



SS4A Transportation Insecurity Analysis Tool



SS4A Transportation Insecurity Analysis Tool



Overview of Indices

	 Climate and Economic Justice Screening Tool (CEJST)	 Equitable Transportation Community (ETC) Explorer
Tool Owner	White House Council on Environmental Quality	US Department of Transportation
Design Intent	<ul style="list-style-type: none"> ✓ Helps federal agencies identify disadvantaged communities that will benefit from programs included in the Justice40 Initiative. ✓ Highlights disadvantaged census tracts across US states and territories for the purpose of calculating benefits to disadvantaged communities under Justice40. 	<ul style="list-style-type: none"> ✓ Helps applicants explore the cumulative burden communities experience that may be associated with transportation ✓ Complements CEJST by providing users deeper insight into transportation disadvantage and other forms of disadvantage. Index and dashboard provide data and dashboard tools that allow users to understand how a community or project area, which may span multiple census tracts, is experiencing transportation disadvantage.
Index Calculation	<ul style="list-style-type: none"> • 30+ data elements across 8 categories of disadvantage: climate change, energy, health, housing, legacy pollution, transportation, water and wastewater, workforce development • Two-factor threshold (climate/environmental/other burden, and socioeconomic) for each of the 8 categories of disadvantage: communities considered disadvantaged if they meet percentile rank-based thresholds for at least one of the categories of burden, or if they are on land within boundaries of Federally Recognized Tribes 	<ul style="list-style-type: none"> • 40+ data elements across 5 categories of disadvantage: Transportation Insecurity, Health Vulnerability, Climate/Hazard Risk Component, Environmental Burden, Socioeconomic Vulnerability • One cumulative score for disadvantage across 5 components, Individual variables are normalized using a min-max ranking. These are then added together to create Components. Component scores are added together to rank census tracts. Tracts scoring above the 65 percentile of the cumulative score are disadvantaged.
Data Sources	2010 Census Tracts and data from sources including NOAA, USDOT, FEMA, EPA, Census, BIA, MRLC, DHS, CDC, DOI, and First Street Foundation.	2020 US Census Tracts and data from sources including NOAA, USDOT, FEMA, EPA, Census, BIA, MRLC, DHS, CDC, DOI, and Esri.

Webpage:

www.transportation.gov/equity-Justice40

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